

A transmission for a swing exerciser mainly has two ends of a link rod respectively and pivotally disposed onto a crank shaft and a rocking rod as well as a driving member composed by a motor and a variable speed gear for driving the crank shaft to rotate; when the crank shaft rotates, the crank shaft and the rocking rod drive the link rod to repetitively wind along an 8-shaped path thereby to allow the straddle seat thereon to make an user's leg portions swing left and right as well as lift up and down for exercising effect.